Name of Work:- Additional works of Multipurpose Buildiing at Abbigere in ward no 12, Shettyhalli sub division.

ತಾಂತ್ರಿಕ ವರದಿ

ದಾಸರಹಳ್ಳಿ ವಿಧಾನ ಸಭಾ ಕ್ಷೇತ್ರದ ವಾರ್ಡ್ ನಂ.12 ರ ಶೆಟ್ಟಿಹಳ್ಳಿ ಇತ್ತೀಚೆಗೆ ನಗರಸಭೆಯಿಂದ ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಗೆ ಸೇರ್ಪಡೆಯಾಗಿದ್ದು, ಸದರಿ ವಾರ್ಡ್‌ನಲ್ಲಿ ಹೊಸದಾಗಿ ವಾರ್ಡ್ ಕಛೇರಿಯನ್ನು ಸುಮಾರು 1.50 ಕೋಟಿಯಲ್ಲಿ ನಿರ್ಮಿಸುತ್ತಿದ್ದು, ಹೆಚ್ಚುವರಿಯಾಗಿ ರೂ. 60.00 ಲಕ್ಷಗಳಲ್ಲಿ ಸದರಿ ಕಾಮಗಾರಿಯನ್ನು ಪೂರ್ಣಗೊಳಿಸಲು ಅನುವು ಮಾಡಿಕೊಳ್ಳಲಾಗಿದೆ.

ಮುಂದುವರೆದಂತೆ, 2018–19 ನೇ ಸಾಲಿಗೆ ವಾರ್ಷಿಕ ಕಾರ್ಯಕ್ರಮ ಪಟ್ಟಿಯ ರೂ.300.00 ಲಕ್ಷಗಳಲ್ಲಿ ಮೀಸಲಿಡಲಾದ ರೂ.60.00 ಲಕ್ಷಗಳನ್ನು ಶೆಟ್ಟಿಹಳ್ಳಿ ವಾರ್ಡ್‌ನಲ್ಲಿ ಹಾಲಿ ನಿರ್ಮಿಸುತ್ತಿರುವ ವಾರ್ಡ್ ಕಛೇರಿಗೆ ಹೆಚ್ಚುವರಿಯಾಗಿ ಅನುವು ಮಾಡಿಕೊಂಡು ಈ ಕೆಳಕಂಡ ಅಂಶಗಳನ್ನು ಉಪಯೋಗಿಸಿಕೊಂಡು ಕ್ರಮವಹಿಸಲು ಅಂದಾಜಿನಲ್ಲಿ ಉದ್ದೇಶಿಸಲಾಗಿದೆ.

ಅಂದಾಜಿನಲ್ಲಿ ಈ ಕೆಳಕಂಡ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಳ್ಳಲಾಗಿದೆ.

1. Earth work excavation for foundation of building.
2. Cement concrete of mix 1:3:6 with OPC cement.
3. Size stone masonry in foundation and basement.
4. Reinforced cement concrete of design mix M20.
5. Pre cast concrete solid blocks.
6. Hot dip galvanised M S Ornamental security Grill using 75 x 12mm M S Flat for alround frame work.

ಇತ್ಯಾದಿ ಮುಂತಾದ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ ಬೆಂಗಳೂರು ವೃತ್ತ ಕಛೇರಿಯ ದರಪಟ್ಟಿಯಂತೆ 2016–17 ನೇ ಸಾಲಿಗೆ ರೂ. 60.00 ಲಕ್ಷಗಳಿಗೆ ಅತೀ ಸೂಕ್ಷ್ಮ ಸರಳತೆ ಅನುಸರಿಸಿ ಅಂದಾಜನ್ನು ತಯಾರಿಸಿ ಅಂದಾಜಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ ಹಾಗೂ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿಯನ್ನು ನೀಡಲು ಕೋರಲಾಗಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ.12

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ

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Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

me of Work : Additional works of Multipurpose Buildiing at Abbigere in ward no 12, Shettyhalli sub division

Est .Cost Rs. 60.00 Lakhs

Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1(PWD SR 2016-17 P 5 It No 2.1)								
for levelling	cum	1	30.00	15.00	0.60	270.00	169.56	45781.00
Basic Rate	**157.00**							
Area Weightage 8%	12.56							
	169.56							
Earth work excavation for foundation of building water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per specifications.**PWD SR 2016-17 P 5 It 2.4**								
compound wall	**Cum**	1	80.00	1.20	1.00	96.00		
				Net Qty		**96.00**	305.64	29341.00
Basic Rate	**283.00**							
Area Weightage 8%	22.64							
	305.64							
KSRB 4-1.2 : Providing and laying in position plain **cement concrete of mix 1:3:6 with OPC** cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS It No 4.2 PWD SR 2016-17								
compound wall	**Cum**	1	80.00	1.20	0.15	14.40		
				Net Qty		**14.40**	5,449.68	78475.00
Basic Rate	5,046.00							
Area Weightage 8%	403.68							
	5,449.68							
Providing and constructing **granite /trap/ baslat size stone masonry in foundation** with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications **(P No. 23, Item No. 5.6)**								
compound wall	Cum	1	80.00	0.75	0.45	27.00		
		1	80.00	0.60	0.45	21.60		
				Net Qty		**48.60**	4,521.96	219767.(
Basic Rate	4,187.00							
Area Weightage 8%	334.96							

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		4,521.96							
	Providing and constructing **granite /trap/ baslat size stone masonry in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications **(Page No. 23, Item No. 5.9)**								
	compound wall	Cum	1	80.00	0.50	0.80	32.00		
					Net Qty		**32.00**	5,405.40	172973.00
	Basic Rate	5,005.00							
	Area Weightage 8%	400.40							
		5,405.40							
	Providing ruled pointing to coursed stone masonry with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, labour, curing complete as per specifications **(Page NO. 113, Item No. 15.3)**								
	compound wall	Sqm	2	80.00		0.80	128.00		
					Net Qty		**128.00**	105.84	13548.00
	Basic Rate	98.00							
	Area Weightage 8%	7.84							
		105.84							
	Providing and laying in position **plain cement concrete of nominal mix 1:2:4** using 20mm and down size graded granite metal machine mixed concrete liad in layers not exceeding 15cms thick well compacted in foundation plinth and cills including cost of all materials, labour HOM of machinery, curing complete as per specifications **(Page No. 12, Item No. 4.6)**								
	for fixing grills in compound wall	Cum	1	80.00	0.50	0.15	6.00		
			27	0.45	0.50	0.45	2.73		
							8.73	5,876.28	51322.00
	Basic Rate	5,441.00							
	Area Weightage 8%	435.28							
		5,876.28							
3	**Filling avaialble excavated earth** (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification **(Page No.6, Item No. 2.10)**								
		Cum		Qty as per It 1			**96.00**	137.16	13167.00
	Basic Rate	127.00							
	Area Weightage 8%	10.16							
		137.16							
	KSRB 4.2.8: **Providing and laying in position reinforced cement concrete of design mix M20 with** OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for **all works in ground floor level for roof slabs, staircase, lintles, and beams** retaining walls, return walls, walls (any thickness) including attached plasters, **columns,** pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, .6. **(P. No. 14/ I.No. 4.13 of CSR 2016-17)**								

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2nd floor columns		Cum	9	0.30	0.60	3.00	4.86		
			7	0.23	0.60	3.00	2.90		
lintle			2	0.23	0.45	5.40	1.12		
			2	17.40	0.20	0.23	1.60		
Beams			2	10.90	0.20	0.23	1.00		
			4	17.40	0.30	0.45	9.40		
			4	11.30	0.23	0.45	4.68		
RCC roof SF			1	15.00	0.23	0.30	1.04		
veradah			1	18.00	12.00	0.15	32.40		
head room			1	13.40	1.45	0.15	2.91		
for water tank			1	4.50	2.50	0.15	1.69		
Stair landing GF			1	3.00	2.00	0.15	0.90		
Waste slab			1	2.00	1.20	0.15	0.36		
steps			2	3.00	1.20	0.15	1.08		
			20	1.20	0.30	0.15	1.08		
	Basic Rate	6,158.00					**67.01**	6,650.64	**445663.00**
	Area Weightage 8%	492.64							
		6,650.64							
	Providing and fabricating TMT . Steel (cold, Twisted) reinforcement for R.C.C. work including straightening, cutting, bending, hooking,placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps and wasteage shall not measured and paid) cost of materials. labour. HOM of machinery complete as per specifications (Page NO. 17, Itm. NO. 4.46) Fe 500								
		Tonne		qty =lt 9x125 kg/cum			**8376.33**		
							8376.33		
							8.38	65,455.56	**548277.00**
	Basic Rate	60,607.00							
	Area Weightage 8%	4,848.56							
		65,455.56							
1	**Providing and removing centering shuttering** strutting propping etc., and removal of form work for **columns,** pillars, abutments, post and struts square/ rectangular/ polygon in plan including cost of all materials labour complete as per specification (Page No.16, Item No. 4.32)								
	columns	**Sqm**	9	1.80		3.00	48.60		
			7	1.66		3.00	34.86		
			2	1.35		3.00	8.10		
							91.56	395.28	**36192.00**
	Basic Rate	366.00							
	Area Weightage 8%	29.28							
		395.28							
2	**Providing and removing centering shuttering** strutting propping etc., and removal of form work for sides and soffits of **beams beam houchings** cantilever girders bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specification **(Page No. 16, item No. 4.34)**								
	Beams	**Sqm**	4	17.40		1.20	83.52		

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		4	11.30		1.15	51.98		
RCC lintle		1	15.00		0.90	13.50		
SW		4	17.40		0.25	17.40		
		4	10.90		0.25	10.90		
						177.30	276.48	**49020.00**
Basic Rate	256.00							
Area Weightage 8%	20.48							
	276.48							

Providing and removing centering, shuttering, strutting propping etc., and removal of form work for **stairs** (excluding landing) except spiral staircase including cost of all materials labour complete as per specification **(Page No. 16, Item No.4.38)**

Stair case waste slab	**Sqm**	2	2.70	1.20		6.48		
Landing		1	2.00	1.20		2.40		
		36	1.20	0.15		6.48		
						15.36	513.00	**7880.00**
Basic Rate	475.00							
Area Weightage 8%	38.00							
	513.00							

Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs,**landing, balconies and likes thickness upto 200mm including cost of materials, labour complete as per specification **(Page No. 15, Item No. 4.29.2)**

RCC roof SF	sqm	1	18.00	12.00		216.00		
Veradah		1	13.40	1.45		19.43		
Head room		1	4.60	2.50		11.50		
For water tank		1	3.00	2.00		6.00		
						252.93	594.00	**150240.00**
Basic Rate	550.00							
Area Weightage 8%	44.00							
	594.00							

Providing and constructing pre cast concrete solid blocks with compressive strength not less than 35 kg/sqm with cement mortar 1:4 masonry (quoins, jamb,closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials,labour charges,scaffolding,curing etc., complete as per superstructure **(Page No.25,Item No.5.27)**

Long wall	**Sqm**	2	17.40		3.00	104.40		
Short wall		4	10.90		3.00	130.80		
Stair wall		1	6.00		5.40	32.40		
Parapet wall		2	17.40		1.00	34.80		
		2	11.30		1.00	22.60		
Water tank platform		1	5.00		1.40	7.00		
Compound wall		1	30.00		1.40	42.00		
					Total:-	**374.00**		
Deduction for openings								
D		1	1.50		2.40	3.60		
1		1	1.20		2.40	2.88		

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Window W		2	0.75		2.10	3.15		
		10	1.80		1.35	24.30		
		2	0.90		0.60	1.08		
					Total:-	35.01		
Basic Rate	937.00			Net Qty		338.99	1,011.96	343044.00
Area Weightage 8%	74.96							
	1,011.96							

Providing and constructing pre cast concrete solid blocks with compressive strength not less than 35 kg/sqm with cement mortar 1:4 masonry (quoins, jamb,closer blocks) with solid concrete blocks of size 40x10x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials,labour charges,scaffolding,curing etc., complete as per superstructure**(Page No.25,Item No.5.28)**

Toilets								
	Sqm	1	3.00		3.20	9.60		
		3	2.00		3.20	19.20		
						28.80	773.28	22270.00
Basic Rate	716.00							
Area Weightage 8%	57.28							
	773.28							

Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames wrought, framed of assembled including making plaster grooves (excluding cost of materials, labour, HOM of machineries complete as per specifications **(Page No.51, Item No. 9.11)**

Door D								
Door D1	Cum	1	7.60	0.125	0.075	0.07		
Door D2		1	8.20	0.125	0.075	0.08		
		2	6.70	0.125	0.075	0.13		
						0.27	111,083.40	30409.00
Basic Rate	102,855.00							
Area Weightage 8%	8,228.40							
	111,083.40							

Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm, thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour,HOM of machineries completed as per specification (excluding cost of fixtures)**(Page No.51, Item No. 9.15)**

Door D	Sqm	1	1.40		2.350	3.29		
Door D1		1	1.10		2.350	2.59		
						5.88	5,014.44	29460.00
Basic Rate	4,643.00							
Area Weightage 8%	371.44							
	5,014.44							

oviding and fixing in position shutters for doors made out of Honne wood styles and rails 35mm. Thick with bottom and lock rail 180mm wide top rail and styles 100mm wide as per wings and panels of 18mm thick is exteriors grade melamine impregnated prelaminations ticle board colour on one sides including cost of materials, labour, HOM of machineries plete as per specifications.(excluding cost of fixtures) **(Page No.53, Item No.9.38)**

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or D2								
	Sqm	2	0.85		2.050	3.49		
						3.49	3,626.64	**12639.00**
Basic Rate	3,358.00							
Area Weightage 8%	268.64							
	3,626.64							

roviding and fixing M.S. grill work for windows and ventilator weighing 21kg/Sqm using M.S. flats, or M.S square rods or combination of M.S. flats and steel sections and welding the ame to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery specifications **(Page 32, Item No. 7.9)**

Window W (GF & FF)	Sqm	10	1.80		1.35	24.30		
V		2	0.75		0.60	0.90		
						25.20		
Consider 21 kg per one sqm			21	x	25.20	**529.20**	84.24	**44580.00**
Basic Rate	78.00							
Area Weightage 8%	6.24							
	84.24							

Providing and fixing in position anodized alluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 122.2x31.75mm with 1.2mm thick, bottom section weight of 0.695 kg per m, sides and top section of 1.3mm thick weight of 0.659 kg per m and shutter comprising top and bottom section of size 40mmx18mm , 1.25mm thick of 0.417 kg per m shutter outer side 40mmx18mm, 1.25mm thick weight of 0.417 kg per m, shutter interlock section 40mmx 26.7mm , 1.1mm thick, wieght of 0.469 kg per m the shutter mounted on nylon roller with approved quality of fixture such as alluminium tower bolts etc., and providing and fixing 5.5mm thick plain glass of shutter fitted with rubber beading alluminium section anodized 12 to 15 microns including cutting to required length, joints mitred sub dividing the frame tenonned revited in the assembled frame stiffened with end clips at corners angles etc., and fixed to walls, lintles, floor beams or cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, alluminium section pre treated for removal of any rust and coated with greesy or non adhesion of motor and other sticky materials (this coating should be cleaned after installation) including cost of all materials , fixtures labour and HOM at machinary complete as per specificaions **(Page No 34. item No. 7.12.1)**

Window W	**Sqm**	10	1.80		1.35	24.30		
V		2	0.75		0.60	0.90		
						25.20	3,842.64	**96835.00**
Basic Rate	3,558.00							
Area Weightage 8%	284.64							
	3,842.64							

Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering: providing and removing scaffolding, including cost of materials labour curing complete as per specifications (**age No.113, Item No.15.15)**

side plastering GF	**Sqm**							
ll		2	17.00		3.30	112.20		
		2	10.90		3.30	71.94		
lets		2	6.40		3.30	42.24		

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ir case									
ompound wall		2	5.50		5.40	59.40			
		2	30.00		1.40	84.00			
Deductions Door D						**369.78**			
Door D1	0.5	1	1.50		2.40	1.80			
D2	1	1	0.90		2.40	2.16			
Windows	1	2	0.75		2.40	3.60			
Ventilator V	0.5	10	1.80		1.50	13.50			
	0.5	2	0.75		0.60	0.45			
Basic Rate	244.00					**348.27**	263.52	**91776.00**	
Area Weightage 8%	19.52								
	263.52								

Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling incluidng rounding off corners wherever required smooth rendering providing and removing scaffolding including cost of materials, labour curing complete as per specification **(Page No. 114, Item No. 15.21)**

	Sqm	1	17.00	10.90		185.30		
		1	5.50	2.00		11.00		
						196.30	208.44	**40917.00**
Basic Rate	193.00							
Area Weightage 8%	15.44							
	208.44							

Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications **(Page No. 115, Item No. 15.33)**

	Sqm	qty as per it				544.57		
						544.57	27.00	**14703.00**
Basic Rate	25.00							
Area Weightage 8%	2.00							
	27.00							

Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications **(Page No114, Item No.15.18)**

OutSide	**Sqm**	2	17.40		4.50	156.60		
		2	11.30		4.50	101.70		
Parapet inside		2	17.00		1.20	40.80		
		2	10.90		1.20	26.16		
						325.26		
Deductions Door D	0.5	1	1.50		2.40	1.80		
Windows	0.5	10	1.80		1.50	13.50		
Ventilator V	0.5	2	0.75		0.60	0.45		
						15.75		
						309.51	287.28	**88916.00**
Basic Rate	**259.00**							
add for water proofing	**7.00**							

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	Total	266.00							
	Area Weightage 8%	21.28							
		287.28							
	Providing and laying flooring using **prepolished, water cut/gang saw 19mm thick granite** laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - **using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 1200mm (P.No.107, I.No.14.47.1 of PWD SR 2016-17)**								
	Second Floor	Sqm							
	Entrance		1	17.00	10.90		185.30		
	Verandah		1	13.50	1.20		16.20		
	Skirting		2	17.00	0.10		3.40		
			2	13.50	0.10		2.70		
			1	13.00	0.10		1.30		
							208.90	2,828.52	590878.00
	Basic Rate	2,619.00							
	Area Weightage 8%	209.52							
		2,828.52							
	Providing and laying pattern **flooring for staircase treads and risers** using the combination of 20mm thick **ruby red granite** @ 66%,20 mm thick **grey granite** @ 20%, 20mm thick, 20mm thick **black granite** 14%. The granite materials are laid on existing bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing, flaming the ruby red granite for 50 mm wide curing etc., complete as per specification. **(P.No. 107, I.No. 14.46 of PWD SR 2016-17)**								
	Stair case Landing	**sqm**	1	2.00	1.80		3.60		
	Treads		20	1.20	0.30		7.20		
	Rises		20	1.20	0.15		3.60		
							14.40	6,181.92	89020.00
	Basic Rate	5,724.00							
	Area Weightage 8%	457.92							
		6,181.92							
B	Providing and fixing on wall surface 4.0kg?Sq.cm **H.D.P.E. rain down water pipes 90mm outer dia approved** make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specification (Page No. 47, Item No. 8.18)								
		m	6	8.00			48.00		
							48.00	462.24	**22188.00**
	Basic Rate	428.00							
	Area Weightage 8%	34.24							
		462.24							

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	8 11-5 : Providing and fixing white vitreous china clay, **water closet European type (edestal type, P-trap) with black solid plastic seat** and lid, C.P brass hinges, rubber buffers. litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S rackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with pecial and 25mm mosquito proof coupling of approved design, painting of fittings and rackets, cutting and making good the wall and floor wherever required, including cost of naterials, labour complete as per specifications. Specification No. KBS 11 **(P 77 It 12.5)**								
		Pan	2				2		
	Basic Rate	5,130.00					**2**	5,540.40	11081.00
	Area Weightage 8%	410.40							
		5,540.40							
	Providing and fixing white vitreous china clay flat back **wash basin size 630x450mm with a** single of 15mm C.P. brass pillar taps with C.I. /M.S. brackets 32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cuttings and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications **(page No. 81, Item No. 12.24)**								
	wash basin	Unit	2				2		
	Basic Rate	**3,007.00**					**2**	3,247.56	6495.00
	Area Weightage 8%	240.56							
		3,247.56							
	Providing and fixing white vitreaus **china clay, flat back, lipped front urinal basin of 430x260x350mm** with 5 litre PVC automatic flushing cistren, C.I./M.S bracket, standard flush pipe and c.P. brass spreaders with brass union and G.I.Clamp Complete painting of fitting and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specification **(Page No. 78, item No. 12.7)**								
	urinal basin	Unit	2				2.00		
	Basic Rate	2,967.00					**2.00**	3,204.36	6409.00
	Area Weightage 8%	237.36							
		3,204.36							
2	**Providing colour glazedzed tiles of all sizes 10mm thick for flooring,** treads of steps and landing laid on a bed of 12mm thick , cement mortar 1:3 mix, flush pointing using white cement,with matching colour pigment, including cost of a materials, labour, curing, complete as per specifications(30 X45) **(Page No. 106, Item No. 14.41.3)**								
	Toilet	**Sqm**	2	2.00		1.20	4.80		
							4.80	1,208.52	5801.00
	Basic Rate	1,119.00							
	Area Weightage 8%	89.52							
		1,208.52							
	Providing and fixing colour glazed tiles of size 300mmx450mm for walls with borders of size 300x100mm, set in Cement Mortar 1:3 and pointed with white cement with matching colour pigment with necessary curing, cleaning including providing and removing scaffolding wherever necessary etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for equipment, etc., complete as per specification.**(P 110 It 14.65)**								

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	Wall cladding	**Sqm**							
	GF								
	For flooring		2	6.40		2.10	26.88		
			2	6.40		1.20	15.36		
	Basic Rate	**957.00**					**42.24**	1,033.56	**43658.00**
	Area Weightage 8%	76.56							
		1,033.56							
	Providing and fixing C.I. Nahani trap of approved make conforming to ISI specificatins and constructin of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixture and conveyance of materials to work spot) 10cms to 7.5cms **(Page no. 88, Item No. 12.113.1)**								
		Each	4				4.00		
	Basic Rate	250.00					**4.00**	270.00	**1080.00**
	Area Weightage 8%	20.00							
		270.00							
	Providing and fixing chorinated poly venyl chloride (CPVC) pipes conforming to IS15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. this includes jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases & making good the same including testing of joints complete 20mm nominal OD Pipes **(Page No 96, Item No. 13.86.3)**								
		m	1	50.00			50.00		
	Basic Rate	250.00					**50.00**	270.00	**13500.00**
	Area Weightage 8%	20.00							
		270.00							
	Providing and fixing in position brass stop cock of approved quality15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications **(Page no.91 Item No. 13.26)**								
		Each	8				8		
	Basic Rate	**161.00**					**8**	173.88	**1391.00**
	Area Weightage 8%	12.88							
		173.88							
7	**providing and fixing in position brass gate valve** with C.I. Wheel of approved quality (Screwed end) 20mm nominal bore including cost of all materials labour and HOM of Equipments with all lead complete as per specificatins **(page No.91, Item No. 13.33)**								
		Each	4				4		
	Basic Rate	409.00					**4**	441.72	**1767.00**
	Area Weightage 8%	32.72							
		441.72							
8	**Providing NP/CP waste union conforming to ISI specifications** and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete 32mm dia **(Page No. 95, Item No. 13.81.1)**								

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	Each	6				6		
Basic Rate	125.00					6	135.00	810.00
Area Weightage 8%	10.00							
	135.00							

Providing and applying painting two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after throughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications **with primer.(Page No. 116, Item No. 15.51.2)**

	Sqm	Qty vide item No.26				544.57		
Basic Rate	90.00					544.57	97.20	52932.00
Area Weightage 8%	7.20							
	97.20							

Extra for providing and applying every subsequent coat of painting with plastic emulsion paint of approved brand and shadefor Item No.15-15.1 and 15.53 cost of materials, labour complete as per specifications **(PageNo.117, Item No.15.52.3)**

	Sqm	Qty vide item No.26				544.57		
Basic Rate	30.00					544.57	32.40	17644.00
Area Weightage 8%	2.40							
	32.40							

Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications **(Page No. 117, Item No. 15.53.2)**

	Sqm	Qty vide item No.27				309.51		
Basic Rate	84.00					309.51	90.72	28079.00
Area Weightage 8%	6.72							
	90.72							

Extra for providing and applying every subsequent coat of water proofing cement paint of approved brand and shade for item No.15-16.1 cost of materials,labour,complete as per specifications **(Page No.117, Item No.15.53.3)**

	Sqm	Qty vide item No.27				309.51		
Basic Rate	27.00					309.51	29.16	9025.00
Area Weightage 8%	2.16							
	29.16							

Applying priming coat over new wood surface and/ or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specificatios **(Page No. 119, Item No. 15.59)**

	Sqm							
Door D	2.25	1	1.50	2.40		8.10		

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D1		2.25	1	1.20	2.40		6.48		
D2		2.25	2	0.75	2.10		7.09		
							21.67	44.28	**959.00**
	Basic Rate	41.00							
	Area Weightage 8%	3.28							
		44.28							

Providing and applying painting two coats (excluding priming coat) on new wood surface and/ or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications **(Page No.119, Item No.15.60.1)**

		Sqm		Qty vide item No.49			21.67		
							21.67	90.72	**1966.00**
	Basic Rate	84.00							
	Area Weightage 8%	6.72							
		90.72							

Extra over item No.15-17.6 for applying every subsequent coat of enamel paint to give an even shade after cleaning the surface of all dirt and foreign matter, sand papering including cost of materials, labour, complete as per specifications **(Page No.119, Item No.15.60.2)**

		Sqm		Qty vide item No.49			21.67		
							21.67	51.84	**1123.00**
	Basic Rate	48.00							
	Area Weightage 8%	3.84							
		51.84							

Fabricating, providing and erecting in poiston of Hot dip galvanised M S Ornamental security Grill using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal centere support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for suqare bars of full height and at 8cms C / C for bottom rods providg ornamental C I Designers at the botom and C I arrows inthe midle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necesary drillling holes. the work includes providng two coats of enamel painting over one coatr of red lead ready mix primer coat etc complete cost of all labour, painting, erection charges using hoist pulleycranes with all lead and lift, loading, transporting and unloading using hoist pulley cranes, scaffolding charges and all other incidental charges required for successful completion fo the work as per specification and drawings,**(P 49 It 7.34)**

		kgs	1	50.00		2.00	**100.00**		
				qty= 160*50/sqm			5000.00	171.72	**858,600.00**
	Basic Rate	159.00							
	Area Weightage 8%	12.72							
		171.72							

7 Hire charges of **JCB excavator** for dismantling of existing building (Sl 23 PWD SR 2016-17) XLVII

		Per day	2	8			**16**	6720.00	**107520.00**

8 Hir charges of **Tractor 50 HP** for shifting of dismantled materials (Sl 37 PWD SR 2016-17) XLVIX

		Per day	4	10			**40.00**	2512.00	**100480.00**

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illing Equipment (Tractor mounted) concrete barekers (Sl 96 PWD SR 2016-17)

	Per day	5	4				
Add Tender Premium @ 5 %					20.00	1920.00	38400.00
Providing electrical works @ 5%					Sub Total		4688001.00
Add L.S for front design work							234400.00
Add f...							234400.00
	12% GST			2,00,000/= L/s			2,00,000=00
				6,42,816/=			6,42,816=00
					Grand Total Rs		6000000.00

(Rupees Sixty Lakhs Only)

CERTIFICATE

The Work spot has been inspected and the work found to be necessary
The Estimate is prepared as per the PWD SR 2016-17
The Provision made in estimate are adequate and essential
This area comes under BBMP limits.

Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ಪತ್ರ ಸಂ. BBMP/CE(DD)/.../19-20 ದಿನಾಂಕ : 20-01-2020
ರೂ. ... Lakhs (Sixty Lakhs only)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.
20/01/...

ನಂ. CE/DL/TS/139/18-19 ದಿನಾಂಕ : 02/02/2019
ರೂ. 60.00 Lakhs/- (Rupees Sixty Lakhs Only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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FIRST FLOOR PLAN
OPTION 1

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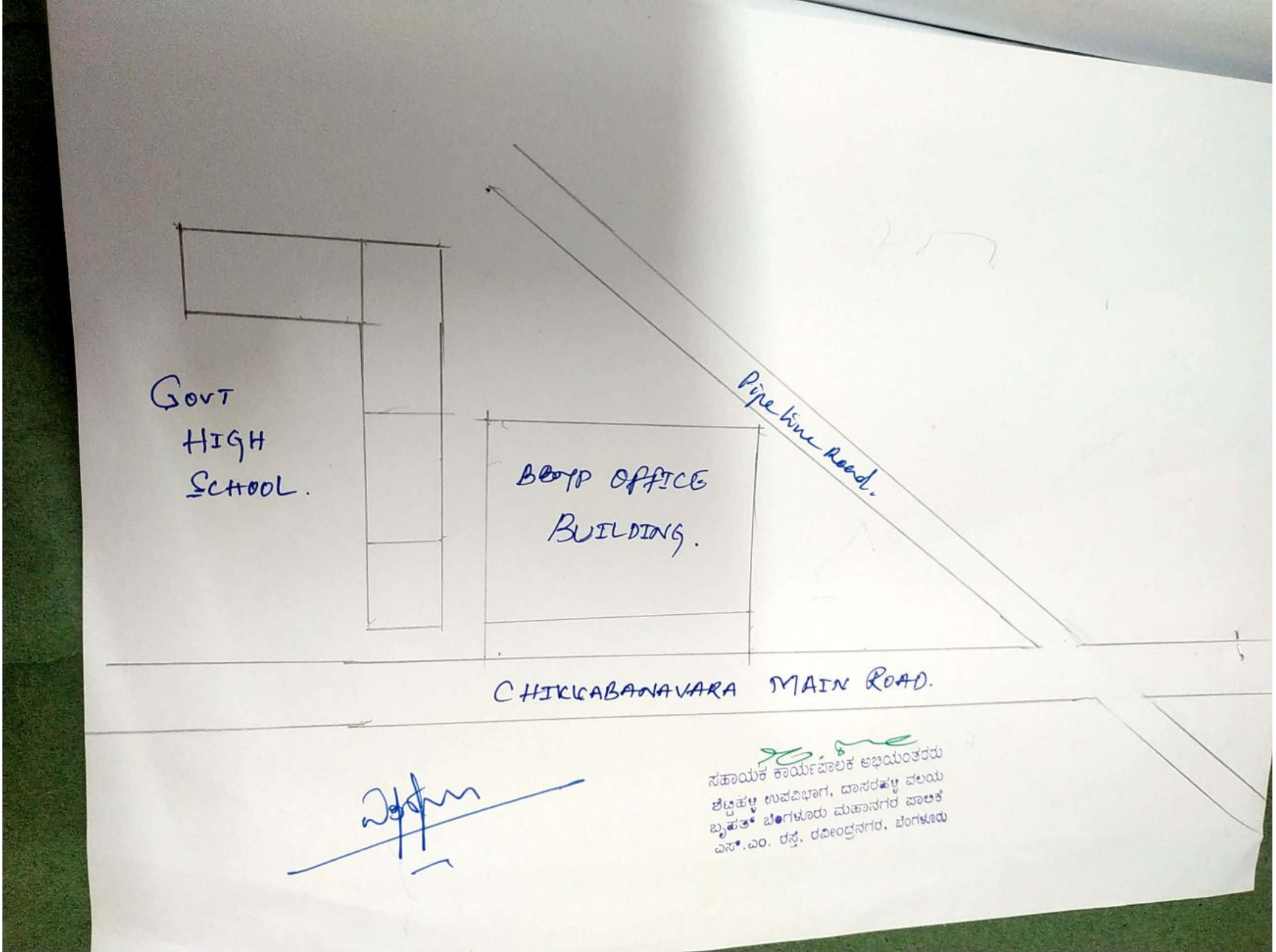

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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